

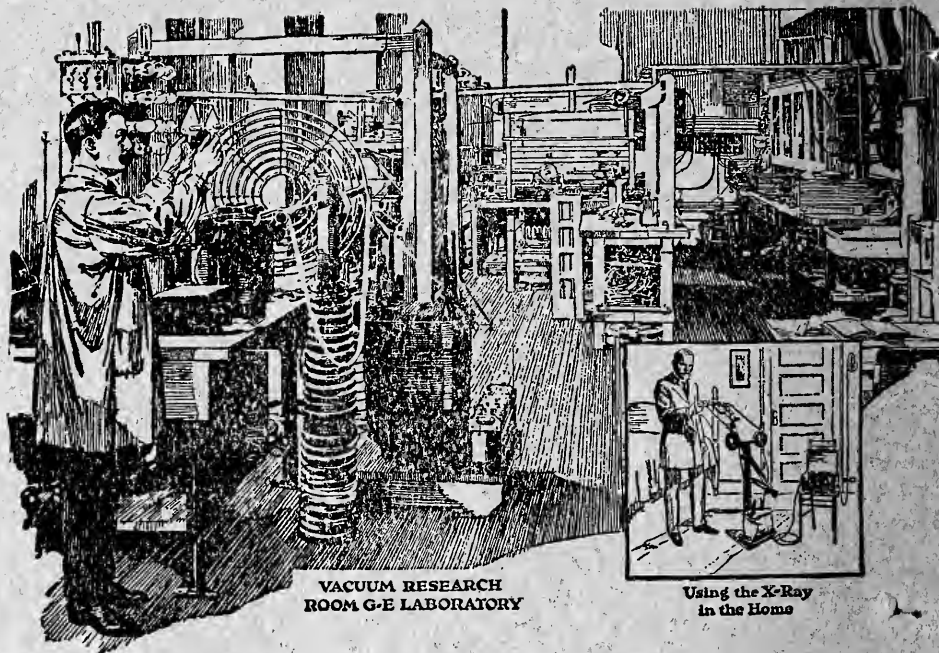
The Harvester



ALUMNI ISSUE

JUNE, NINETEEN TWENTY.

NATIONAL FARM SCHOOL.



VACUUM RESEARCH
ROOM G-E LABORATORY

Using the X-Ray
in the Home

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FOR years after the discovery of X-rays it was evident that only intensive research could unfold their real possibilities.

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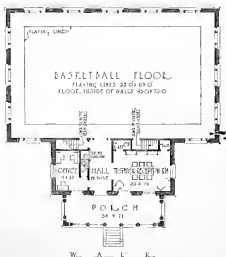
PROPOSED ALUMNI HALL NATIONAL FARM SCHOOL - PA



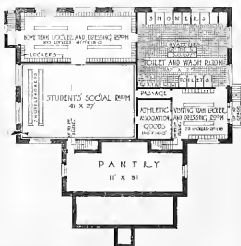
GALLERY PLAN



SECTION THROUGH CENTRE OF BUILDING



FIRST FLOOR PLAN



BASEMENT PLAN

Alumni Hall.

Alumni Hall! What dreams, what hopes—does that name bring to us—to all Farm School men?

At last the Alumni Association is started on a campaign that will result in the erection of a building that will surpass anything, we older grads dreamed of, when we were students in the school. A building that will house a Gymnasium, Reception Room, Social Room, dressing rooms, lockers, showers and many other conveniences that will improve the life of the student.

The cost of this building, a proposed plan of which is shown in this "Gleaner," is estimated to be \$35,000. We are driving for \$50,000 which will cover not only the cost of the building, but also pay for its equipment and its upkeep. With the proper enthusiasm—sustained enthusiasm—on the part of every Alumnus, Alumni Hall will be a reality in a very short time.

And why should not all of us support this Fund? When we stop to think of what Farm School has done for us, whether we are following agriculture or any other occupation—when we stop to think of the opportunities it held out to us, of the dear associations we have formed, of the friendships we have cemented as a result; it should afford us the greatest pleasure, and, be regarded a privilege rather than a duty, to exhibit in some concrete form our love and appreciation for our Alma Mater.

Nothing is impossible of the figure we have set as our goal. This building will be an index to our association, a monument to our success. Let us all be boosters for the Alumni Fund. We must not feel satisfied by merely doing our bit but do our utmost and let us appeal to the other fellow to do likewise. Let us all remember as we go thru life, that a school's success is measured not by endowments, its Faculty, or its Trustees but rather by the success of its graduates. Let us all help dear old Farm School become more and more successful every year.

JAMES WORK, '13.
President of Alumni.

N. F. S. History.

From its very foundation, in 1897, the aim of the Farm School was to attract a high class of students, students who were mentally, morally and physically equipped to carry out the ideal of the school. No sooner had Dr. Krauskopf, the founder, given his first savings to buy a farm and build a building, and had persuaded a few friends to contribute towards further equipment and support than the idea arose in the minds of many, that the National Farm School was a guise for a sanitarium, while others conceived it as an excellent disguise for a reform school. The result was that the application committee was constantly deluged with applicants who were ill or could not be managed at home. The fact is that applicants to enter the school were numerous from the very beginning and the committee had a choice of most desirable students that wished to enter. It set a standard of minimum age, education and physical health required and has adhered to it with remarkable fidelity. While the school furnished free to its students, board, clothing and tuition, it attracted at all times students able to pay something for their education. The problem of dealing with such students arose early. It was felt that primarily the school was to assist students who were not in a position to pay for this type of education. Then should the student who can afford to pay be refused admission? A survey of the country showed that the National Farm School was duplicating the work of no other institution. There was no school that students from the city could attend to learn both practical and scientific agriculture. To refuse these students admission meant merely turning away valuable recruits for the new movement, penalizing them for being well-to-do. It was decided to accept these students but, in lieu of tuition, the parents or friends might make a contribution to the school as large as their means permitted. This also helped to maintain democracy within the ranks of the students.

Within the school the students soon set standards of conduct, work, study and social life that have lived through the many classes that have since come and gone. Like boys of true American type, athletics took up the major portion of their leisure. Football became

the leading sport and a leading adversary was soon found whose defeat became the goal of the season.

Football practice and the games became the animation of the life in the fall. The first hum of the silage cutter was also the first signal for organized practice, and anxious alumni began to inquire about the chances of the team this year. Moreover to make the football team become as much the ambition of students as to become a P. G. (Post Graduate manager of one of the farms). Baseball enthusiasts, however, were not wanting and their enthusiasm has come to rival that of the fall gridiron men. Tennis is a sport in which students languidly indulge in mid-season. In fact both baseball and football languish during haying season at which time swimming in the Neshaminy and lolling on the campus become major sports in the evenings, while tennis is only for the energetic few. The literary society, the Zionist society, the musical club and other organizations thrive lustily and have their place in the tradition and history of Farm School students. The Gleaner, a monthly student publication has been kept to a high literary standard and is the official chronicle of Farm School events. Traditions have grown up; the dignity of the senior, the authority of the Junior and the nonentity of the Freshman are recognized institutions. Social life, while democratic, has tended to recognize certain standards. Prayer by a senior precedes each meal, the dignity of the overall is not recognized on the football field when the adversary is being met and the best showing for the school is desired. The cadet uniform has become the standard dress for chapel, while the conventional attire for haying may be reduced to any minimum.

Like all schools there are certain graduates that have left their imprint on the life of the school and whose subsequent career has become an inspiration to those at the school. There is Taubenhaus who came here from Palestine, learned English at Farm School and is today Chief Plant Pathologist for the Texas Experiment Station. Then there is Mitzman, a great Farm School football captain, who today sits high in the councils of the Bureau of Entomology in the U. S. Department of Agriculture. Abe Miller is, of course, the idol of the Horticulturists and his story of how he came here an orphan boy from Louisiana, specialized in Horticulture and today is President of the American Bulb Company, is repeated to every Farm School

generation. Then there is that score of men who left the school penniless but, by dint of a knowledge and courage and will to become real farmers, today literally sit in the shade of the apple trees which they planted. There is Anderson who got started by taking a P. G. and H. Ratner who started the same way, and Smoochler and Berg and Sobel and Kotlikoff and scores of others who saved and got experience and then struck out. Then there is that group of enthusiasts who decided to get more education in the colleges and are constantly returning to the school telling the boys how easy a Farm School man can go through an agricultural college, the fine life and the increased opportunities. When the war came, a sterner aspect of the school became visible. Graduate after graduate returned in uniform or about to do one and said "Good-bye, do your share here, we are going to do it over there." There were all the old girdiron heroes whom student tradition almost expected to join the colors. Fleisher of Poultry fame appeared in an officer's uniform as did Max Morris and others. The school went on war rations and started war service. Each drive found ready response, material and sympathetic, in the students and the lines of the advancing Kaiser army were watched with as much anxiety in Farm School as in Paris.

Thus there has grown up a beautiful inner life at the school. It is a life that is healthy, vigorous, purposeful, American. Many fall by the wayside. Many graduates prove recreant to their trust. But the pulse of the life of the school beats now with increased zest. The ideals of the school are gaining momentum. More and more men are coming to its support, but even now the school labors under handicaps because there are many too shortsighted to see its service. Even now men fail to appreciate what the idea of the National Farm School means to the nation and what the success of its graduates portends. The school has ceased to be an idea, an experiment, it is a proven fact, it has demonstrated its practicability, it has established its utility, to support it and allow it to widen its cope has come to be a social duty.

BERNARD OSTROLENK.

Teacher: Wise men hesitate; fools are certain.

Student: Are you sure?

Teacher: I am certain.

EX.

THE NATIONAL FARM SCHOOL ALUMNI ASSOCIATION

President, James Work, '13; Vice President, Sylvan D. Einstein, '12; Secretary and Treasurer, Cecil J. Toor, Farm School, Pa.; Executive Committee, Bernard Ostrolenk, Charles Horn, '06; Sylvan D. Einstein, '12.

To all National Farm School men:—For the first time in its history the N. F. S. Alumni are trying to become members of the community that is supporting the National Farm School. We urge and invite you to join us. This is an opportunity for you to show what Farm School was worth to you. If Farm School is worth while, then you ought to be willing to help it along to help some future student. The present plan is to gather a sum, within the next ten years to erect an Alumni Building that will be worthy of the name and to supply that portion of the school life that is not ordinarily associated with a Farm School. We want the Alumni Building to house a gymnasium and special activities of the school. You know the need of such a building here. No need going into details.

Such a building will cost about fifty thousand dollars. We have at the present time about two hundred and fifty graduates. If each one in the course of the next ten years gave two hundred dollars or twenty dollars a year the building would be assured. Many however will not contribute, many have lost touch with the school and many new alumni can not give that much. It is suggested that each alumnus give what he can and that no one give less than one hundred dollars in the ten years. Farm School should be worth so small a sacrifice to every man who has been here. We wish to make this drive democratic and want every graduate in it with heart and soul.

The first announcement brought a response from many graduates at once. One man gave one thousand dollars with one hundred dollars as his first payment. That's one fiftieth of our goal. Beat that. Tie it if you can! If you can't beat or tie it do the best you can. A complete list of those contributing with amounts and progress of the drive will be published for the first time in the June issue of the Gleaner and will be announced at the alumni banquet Saturday evening, June 5, in Doylestown. We want your name on that list. Send us the names and addresses of graduates that you think we do not have. Give them the chance to join us.

BERNARD OSTROLENK.

The Gleaner

VOL. XX.

JUNE, 1920.

NO. 3

LITERAE.

GUSTAVE TAUBE, EDITOR.

INSTINCT AND REASON

The beautiful spring arrived. The air was filled with the enchanting songs of the birds. The rabbits and squirrels could be seen running hither and thither in search of food. The ground hog cast its shadow—announcing spring. Nature was beginning its yearly routine.

It was upon one of these beautiful days that the spirit of nature entered my heart, and I decided to take a stroll thru the woods. Once in the woods, every bird, insect, and tree appealed to me. I noticed in particular a woodpecker that flew into a song sparrow's nest thereby disturbing the young birds. No sooner had the woodpecker done this than the male and female sparrow flew down upon the woodpecker and put him to rout.

I could not understand what the cause of this mother love was. I was not certain whether the parent bird was prompted by instinct, or whether she had reasoned that its young were in peril.

I reached home and thought it over, asking myself the same question over and over again: Which was it? Why was it? What influenced the bird to fly to its young when in peril? Then also what made the sly fox track its prey? If nature created us all to live why did it destroy life so recklessly?

That night, I went to bed with my mind filled with perplexity and questioning. Slowly my eyes closed, and I began to dream.

I dreamt that I was walking thru the woods and suddenly I spied an old man approaching me. I stopped and waited until he was near to me. "Who are you?" I asked. "I my boy," was his gentle reply, "am a naturalist.. I love the birds, flowers, trees, insects and all living things that nature created. I make it my duty to go thru the woods once a day to observe new wonders; for the more I learn of nature the more do I love it."

Realizing that here was my chance to have my troubling question answered, I asked, "What makes the parent bird love its young? What makes it fight for their

happiness, and be always ready to sacrifice its life for them?"

Thus did the old man of the woods, answer me! "My son, that is a deep and far reaching question. Many of the greatest minds have pondered this matter, but from by own experience, I would say that it is instinct which causes mothers of the lower as well as of the higher animals to love their young. It is instinct which makes the hen brood over her young; it is not reason, for many a time I have had ducklings hatched under a brooding hen, and had the hen used reason, she would not have sat over them and later take care of them. She would not have run along the stream cackling so ridiculously to the ducklings to emerge from their bath. And remember this. It is instinct that is behind all mother love."

Here was something new to me, preceived in a new light: that instinct was behind all mother love. I weighed the thoughts that were new to me, and locked the knowledge firmly in my mind.

But my brain was still puzzled and I therefore further asked: "Which is it that all animals depend upon chiefly, is it instinct or is it reason?" "It is this," replied the old Naturalist. "In animals instinct is predominant but reason is also frequently present. Take the case of the fox: it uses its instinct to search for food but at the same time uses reason to employ slyness for tracking its prey. Or see the various ways in which the dog will use its reason to defend its master. Hunted animals, by using reason will evade the hunter. Similarly you will find many other instances of reason among the lower animals."

Just at that moment the sky became black, and the air was filled with piercing cries. Looking up, we beheld scores upon scores of birds migrating from the south. It presented a remarkable scene, and I asked, "What makes the birds come north each year and then fly south again when it gets cold? Is it reason or is it instinct?"

"It is simply instinct," he said, the instinct to fly from one climate to another. Once, for example, I put a small bird in a cage. In the summer it stayed there eating and singing—content. But no sooner did the winter come, than it stopped its sweet song, started to chirp pitiously, and became restless with instinctive craving for the south. This shows that the migrating

instinct awoke this domesticated bird even tho it had a comfortable home in the cage in which it lived."

This explanation was all new to me. It gave me a world of new thought for which I could only feel grateful to the man.

Then I asked, "What is the definition of instinct. True you have informed me as to the predominant part it plays in the lower animals, but what is instinct?"

"Instinct," was his reply, "is blind, powerful and unconscious. It leads to passion in animals which can not be checked with the little reason that is possessed by the animal. Instinct is inherited not acquired. Reason on the otherhand is acquired. One cannot get reason with out hard labor and constant training of the mind."

Just then I awoke, and to my amazement found it all a dream. It was dark except near the window where the silvery moon sent thru a ray of its beam. I wondered at this dream and still wondering I fell asleep once more.

And once again the old man appeared before me. This time we went out of the woods and approached a little village. On entering we observed little children playing around the door-steps of their homes. Coming closer we could hear the noise of their parents—this time they were prophesying their children's future. "You see," said the old man, "in man the love of offspring is brought about by the reasoning power which he possesses in addition to instinct. Man looks toward the future of his children whereas animals do not. Man has shown improvement of dwellings from the old cave to the magnificently furnished wooden homes, whereas animals, by force of instinct still live in the same old caves and nests or other such abodes.

Man uses his reason to control and guide his instinct."

As we continued walking, everything I saw presented itself to me in a brighter and more prospective light. Everything had a meaning, a new meaning for its existence.

"Does man ever make use of the instinct of the lower animals?" I questioned once more.

"Yes," was the reply. Man thru his reasoning enslaves the instinct of some animals to help him in his living. In China the native fisherman make use of a certain bird called the camorant. This camorant dives into the water and returns with a fish which she deposits in the boat, insomuch as a ring is placed around her neck

to keep her from swallowing all fish above a certain size.

Now listen, my son, here is the lesson I want to teach you—the lesson that has taken me all my precious life to learn. Life is not merely a question of bread. It is more. Make use of every minute of your life. Help your fellow beings. Help the weak animals. Study the living things which nature has made, for they are all related to you in the great process of evolution. Farewell, and may God bless you.” So saying the old man naturalist disappeared from my sight. I searched for him—but in vain. I lay down upon the ground trying to remember the great lesson that he had taught me. His words “life is more than bread,” rang in my ears over and over again. Just then some ants attracted my attention. They were so busy always working for their young. I watched them closely and so doing I awoke.

From that time on every thing I see tells me a new story. I certainly believe now that life is more than mere existence. My eyes have been opened and I am in great sympathy with those whose eyes have not yet been opened by knowledge I understand much better what causes certain sounds in animals—why the screech from the screech owl at night. Also I comprehend such things as why the bear hibernates. I am better able to classify these phenomena according to instinct or reason. I cherish that dream as a reminder of my dream of an ideal life. I am sure many hearts are yearning for that same ideal—a life in Nature’s realm the rugged, open country.

SAM. GOLDENBAUM, '22.

A FARMER’S LOVE LETTER

Do you carrot all for me?
My heart beets for you,
My love is as soft as a squash,
And as strong as an onion,
You are the apple of my eye,
With your radish hair
And your turnip nose;
So if we cantalope,
Then let us marry.
I think we will make a happy pear.

EX.

THE I. Z. A. AGRICULTURAL COURSE (FROM I. Z. A. BULLETIN)

Whether you intend to settle in Palestine or not, here is a constructive vacation that will clear the mind of intellectual cobwebs, and build up the spirit. Although there will be helpful hints on agriculture doled out to the members of the course, no man, woman (or child for that matter), ever suffered a nervous breakdown from overstudy on a farm. Not that we condemn the fashionable watering place, but may we not suggest a six weeks' vacation that is free of the ennui of fashion, and the persiflage of a broadwalk stroll, moonlight or no moonlight?

Beginning July 11 (the so-called Registration Day, but in reality, the handshaking day when every student learns his fellow student's nickname) the course will extend over a period of six weeks, which brings us to August 22, and harvest moons. Take an old suit, an old pair of shoes—everything most informally old, and take a train to the National Farm School, Bucks County, Pa. The course is under the combined auspices of the I. Z. A. and the National Farm School. Tuition free, the only fee is for board and lodging, and that is nominal. Cuisine, kosher, and menu from the farm.

It is hoped that the course will give an extensive, impressionistic acquaintanceship with the many aspects of agriculture and land husbandry. Then too, there is the intention to give suggestive, and helpful ideas of the work and problems of farming as they present themselves on an average farm. The course will be of special value to those who intend to settle in Palestine—no matter what their walk of life may be. Whatever the economic future of the Holy Land, the agricultural side must not be neglected. By way of stimulating interest in Palestine colonization, rudiments of dairying, farm crops, animal husbandry, horticulture, poultry raising, farm economics, and rural sociology will be studied.

A large part of the course will be devoted to field work, which will be carried on side by side with the regular students and instructors of the school. Though the practical side of farming will be stressed, provision has been made for laboratory and lecture work. And those interested in Hebrew will be enabled to avail themselves of the course in spoken Hebrew and literature.

Any senior or graduate of an accredited college is eligible, provided his health is good and he is over 21.

But we are not indisposed to consider the applications of special cases, especially where age is concerned. If time is limited, one may take any third of the course. Units of two weeks comprise the curriculum. The first unit comprises animal husbandry and stock judging and breeding, and dairying; the second, farm crops and horticulture; the third, more horticulture, together with farm economics and rural sociology. But, interspersed throughout the six weeks will be lectures by "city folks" and shindys 'round the fire.

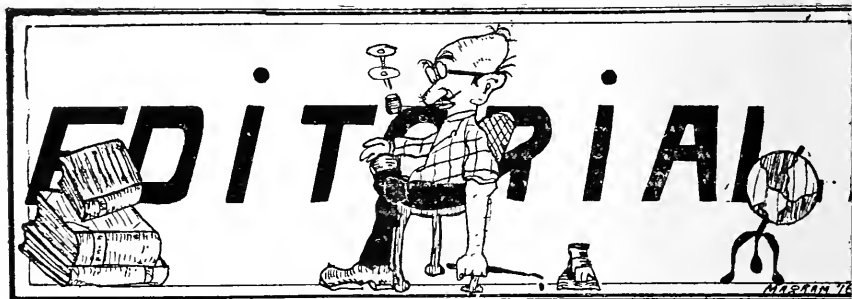
Rolling country, the fragrance of flowers and meadows, and the open sky untouched by the jagged insinuations of tall buildings—these things invite you. And down there by the rising sun, across the sea lies Palestine.

CLAYTON WHITEHILL.

★

A SAILOR'S LIFE

A sailor has no E Z time,
When on the D. P. sails
It's R D finds aloft to climb
Xposed to I C gales.
And then in K C makes a slip
And F E D Z grows.
A tumble from the lofty ship
It is his N D knows.
Then overboard, for A. D. cries,
With N. R. G. N. vim.
And tho of little U. C. tries
A vain S. A. to swim.
And when no L. P. finds is near
Nor N. E. way to save
He then is an X. S. of fear
Must C. K. watery grave.
Old A. J. sailor seldom knows
But if old A. G. gains,
H. U. of 'baccy cures his woes
His pipe L. A.'s his pains.
We N. V. no poor sailor's life
In D. D. has no fun
And feelinf P. T. for his wife, Our M. T talk is done.



The Gleaner

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FARM SCHOOL AND THE CLASS-ROOM

The courses in Scientific Agriculture as it is taught in our agricultural schools and colleges can be divided into two main groups; practical courses and theoretical courses. Both are equally important and both are necessary to be able to farm successfully.

The National Farm School is one of the best schools for training young men in practical agriculture and compares with the best in its class room work. The Spring term ended on May 15 and all class room work is over until the following Fall.

It is both surprising and interesting to review the list of studies carried on our curriculum during the last six months.

AGRICULTURAL CHEMISTRY

SENIORS:—

Agricultural Chemistry, Surveying, Prof. Ostrolenk.
Zoology, Hygiene, Eugenics, Prof. Escoll.
Poultry, Dairying, Prof. Toor.
Physics, Prof. Campbell.
Practical Physics and Electricity, Mr. Mussleman.
Feeds and Feeding, Prof. Lukens.

JUNIORS:—

Botany, Hygiene, Eugenics, Plant Pathology, Prof. Escoll.
Farm Arithmetic, Prof. Toor.
Algebra, Prof. Campbell.

FRESHMEN:—

Botany, Prof. Escoll.
Soil, Prof. Cassidy.
Prac. Agriculture, Prof. Toor.
English, Prof. Campbell.

All three classes carry one subject on their program seniors during the summer months. Feeds and Feeding, juniors, Horticulture and the freshmen, Annual Husbandry.

The Farm School method of teaching is to teach in the class room what to do in the field and then to go out and do it. Judging from results it is the best method.

A. R. O. WORK IN FARM SCHOOL

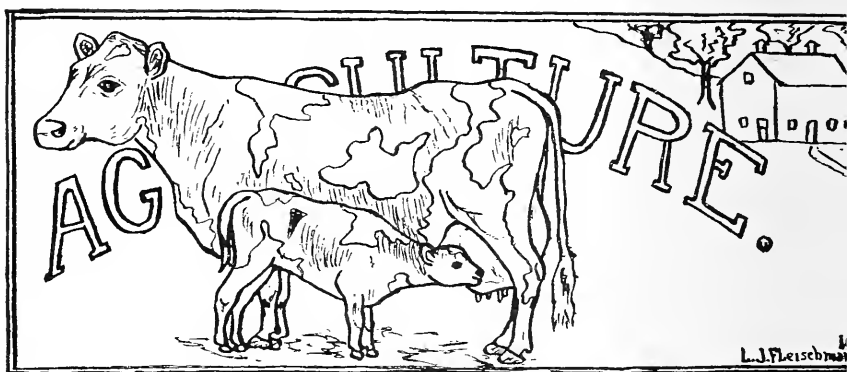
The Advance Registry system set a standard for all the Dairy Breeds of Cattle, thruout the entire world. It revolutionized the breeding industry of dairy cows and proved the importance of careful scientific feeding. To-day the Cow is a wonderfully efficient milk producing machine. Records of 20,000 to 30,000 lbs. of milk and 1000 to 1200 lbs. of butter annually are not rarities.

From February 1, 1919 to June 1, 1919 40,150 entries were made in the Holstein Freisin Advanced Registry 13,385 males and 26,765 females. This proves that the breeders slogan is "breed for production."

Advance Registry work at the Home Farm of our school is only in its experimental stage. Nine of our cows are at present registered in the Advanced Registry of the Holstein Friesian Association.

Belle Korndyke Pontec, dam of our Herd bull Farm School Korndyke was the last cow to be admitted with the following record:

(Continued on page 27)



EDGAR E. HECOSH, EDITOR.

INCREASE THE POTATO CROP BY SPRAYING

It has been estimated that the potato crop in the United States is reduced each year by more than 100,-000,000 bushels as the results of injury by insects and diseases. If spraying were not practiced this loss would be much greater. At the present time spraying is not applied as widely and thoroly is it should be. These known facts should encourage all growers to increase their crops by preventing these startling losses.

Bordeaux mixture and arsenate of lead is a combined treatment for disease and insects. This should be applied as soon as the first evidence of the Colorado potato beetle or of flea beetles is noticed. This application should be repeated every 10 to 14 days to keep all of the new foliage protected. If no insects are present and the weather is dry the intervals between spraying may be longer.

The season for the late blight is in the middle of July a protective spray should be applied and the weather studied carefully. If frequent showers occur with a temperature of 72 degrees to 74 degrees F; spraying every 5 to 7 days will be necessary.

However for leafhoppers and plant-lice contact sprays, such as nicotine sulphate and emulsions are the most effective.

In the late blight area it pays to spray potatoes with Bordeaux mixture and arsenate of lead, whether the blight develops or not. Large gains in yield are due to

protection, from flea beetles, early blight, tipburn, etc.

This fact has been established by extensive experiments, which have been conducted in New York and Vermont during a 10 years period, at different experiment stations in New York State, an average gain of 60 bushels per acre was secured. Again at Vermont station, during a 20 year period, which included all seasonal variations, an average gain of 105 bushels per acre or 64 per cent was made over the unsprayed area.

D. DeVITO, '21.

MAIN BARN

This years spring work has met with great success. The early part of spring we planted potatoes, oats and peas and 22 acres of corn. Two acres of late cabbage was also planted.

Both our apples and peaches were sprayed for their respective diseases. Our tractor has been busy plowing, discing and harrowing and of late many stumps have been pulled. Whenever possible we aided in clearing the thicket near Nursery Drive.

In spite of the fact that some of our essential feed supplies have given out as silage and hay, the herd is doing fine. For the month of April 14,225 lbs. of milk was produced—for 17 cows. This gives us a daily record of 474.1 lbs. per day and 27.9 lbs. per individual cow.

Corn from Hellman farm is used for silage and green feed is being cut to supplant the shortage of hay.

The shop is kept busy by the constant demand of our sewage system; septic tanks and by the continual wearing and tearing of our farm machinery. Tile has also been laid.

Some of our young stock has been turned out to pasture and some are due to freshen. The piggery is making remarkable improvement, by the increased growth of all our foundation stock consisting of six pigs.

Asparagus is being cut thirty bunches each day, but in a short time 70 bunches will not be surprising.

SAM COOPER, '21.

FARM NO. 1

This year promises to be a very good one, for this little 55 acre farm. We have a 10 acre pasture and 32 acres under cultivation.

We planted 6 acres of alfalfa hay last fall and added 18 acres of corn and 8 acres of oats this spring.

Our 12 milking cows are producing 170 qts. of milk per day. Five of these cows are drying up fast and are due to freshen in the next two months.

P. T., '21.

NO. 3

Big Day will find us well advanced on a successful season's work. During the spring, we plowed and prepared land for seven acres of oats, thirty-three acres of corn and three acres of mangles. Last fall we sowed six acres of wheat and nine acres of rye. At present we have forty-one acres of hay land and twenty acres of pasture.

The stand of oats is uniform and promises a high yield. Because of the adverse conditions, due mainly to early fall frosts, seed corn had a very low germination percentage. However we managed by using the best to secure fairly good stands. The varieties used are Johnson County White and a Yellow Dent. The mangles will be fed to the stock. Wheat is very poor due to winter-injury. Rye is exceedingly good. The forty-one acres of hay consists mainly of a timothy and clover mixture with a small amount of alfalfa. Predictions are that the hay yield will be the best in many years.

The spring work was divided between the regular farming, working on the thicket and roads, sawing wood, repairing fences, plowing and fertilizing the orchard, concreting the farm house cellar and beautifying the Lake. The Lake is to be stocked with fish, bordered with willows, and the banks seeded to grass.

As to the live stock; the teams have kept up well under the heavy spring work, while the cows have responded to the fresh pasture. A dozen hogs have been sold to the butcher and young ones are being raised to take their places. Due to the changeable early spring weather the germinability of the eggs was low and an increased number of eggs had to be incubated. The chicks; however, are thrifty and promise good returns for the Thanksgiving and Christmas markets. On the whole everything has been successful and we are ahead of the season despite climatic handicaps. H. M. C. '21.

NO. 4

We were fortunate in having satisfactory weather to enable us to do our season's planting.

Ten acres have been planted in oats thirty-five acres in corn and one acre in potatoes. We are preparing

for a war against our annual enemy plant diseases and insects. However, thus far we can gladly say that all signs point to good crops this year.

H. S., '21.

POULTRY DEPARTMENT

Tho the beginning of our hatching season looked rather very doubtful, we are glad to say that our season's hatch averaged 68 per cent. Our last hatch gave us 80 per cent—making our season a successful one. Five thousand eggs were put in the incubators. Now we have 3500 chicks on hand. The surplus cockerals are being sold after a two weeks preparation of fattening.

Both the new and old brooder house were given a much needed coat of paint.

The older fowls are laying fine, the average egg yield being 575 eggs a day.

We have just finished a hatch for Mr. Young 800 in all.

GUSTAVE TAUBE, '21.

HORTICULTURAL DEPARTMENT

Our greenhouses have shown unusual good results. Good crops are being harvested and high prices returned for same.

The callas have shown good results and are about to be taken out for a rest until next season. The carnations are coming strong now and we are expecting to make daily shipments of whites and pinks.

Our attempts to raise Snapdragons on a large scale was extremely successful both in quantities and qualitative manner.

After the Easter season we expected a decided drop in our monthly sales account. However, we were disappointed as the accounts of corresponding months in previous years have been doubled.

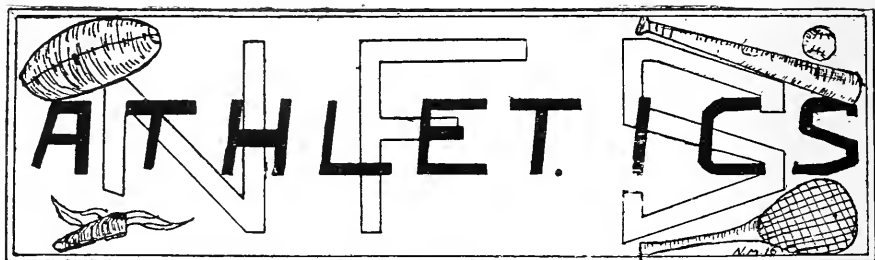
The greater part of our vegetable gardens have been planted. They will be ready for exhibition soon.

Much time has been spent in beautifying the grounds and a decided improvement may be seen.

We are disposing of a considerable amount of nursery stock and pot plants for outdoor planting and we except filling an order for as many as 2000 geraniums soon.

The outgoing crop of cut flowers will be replaced by chrysanthemums and tomatoes, which we hope will give as good returns as those previously mentioned.

EDGAR E. HESCH, '21.



SAMUEL B. SAMUELS, EDITOR.

FARM SCHOOL 9; DOYLESTOWN H. S. 1

April 22, finally came. The day which our base ball fanatics and enthusiastic supporters (faculty) were patiently waiting for. It was the day when our highly rated and much talked about team was to be seen in action for the first game of the season. Although our nine had been practicing under adverse weather conditions, they nevertheless showed they were in the "pink of condition," by the snappy and fast practice they went through previous to the game.

Our star right-hander "Cyclone Hunk" Zinn started the game, and for seven innings, he had the Doylestown players at his mercy. "Hunk" Zinn also contributed his share in the scoring column, by getting two doubles and a single. "Schnitz" Snyder, our southpaw pitched the last two innings and showed good form.

The featuring fact of the game was the machine-like playing of the team, and the success with which our squeeze plays were worked. Score:

FARM SCHOOL						DOYLESTOWN							
		B	R	H	SH	SB			B	R	H	SH	SB
Samuels, 1b	.....1	2	0	1	1		Stratton, c	.....3	1	2	0	0	0
Snyder, cf	.....2	0	0	2	0		Stultz, 3b	.....2	0	0	0	0	0
Silverman, lf	...3	0	2	1	1		Guilick, ss	.....3	0	0	0	0	0
R'ts't'n, rf	.....1	1	0	0	0		Martin, 1b	.....3	0	0	0	0	0
Zinn, p	.....4	2	3	0	0		Hellyer, p	.....3	0	1	0	0	0
G'rw'd, 3b	.....2	1	1	0	0		Kollie, lf	.....1	0	0	0	0	0
Leedes, ss	...3	1	1	0	0		Fell, 2b	.....1	0	0	0	0	0
Stone, c	.....3	1	1	0	0		Bitzer, rf	.....2	0	0	0	0	0
Krivosas, 2b	....2	1	2	0	0		Houck, cf	.....1	0	0	0	0	0

PENNINGTON SCHOOL 5; FARM SCHOOL 3

On May 1 our nine traveled to Pennington, N. J., to play the Pennington School team, which has one of the strongest nines in scholastic circles. The field was

slow and soggy due to a heavy rain which had previously fallen. From the snappy manner in which both teams went through their perliminary practice and could easily tell that the game was going to be "nip and tuck" from beginning to end.

Up to the fourth inning the score was 2-0 in Farm School's favor. Our men began to get over confident and eased up in their playing. Pennington fought an uphill game, and with the aid of some of our misplays they were leading us by 5-2 in the eighth inning. We started a gallant rally but we woke up too late, as we only scored 1 run, the final score being 5-3. This will be a lesson to the fellows to play hard throughout the entire game, and never ease up.

There is nothing to be discouraged about. Up to date we have only played three games, as the rainy weather has greatly interfered with our schedule. There are eight games to be played yet, and the team will show you that they are "right there" and can play real base ball. Now is the time to back up your team, fellows! Show them you are with them, and they will make a real come-back in the next games.

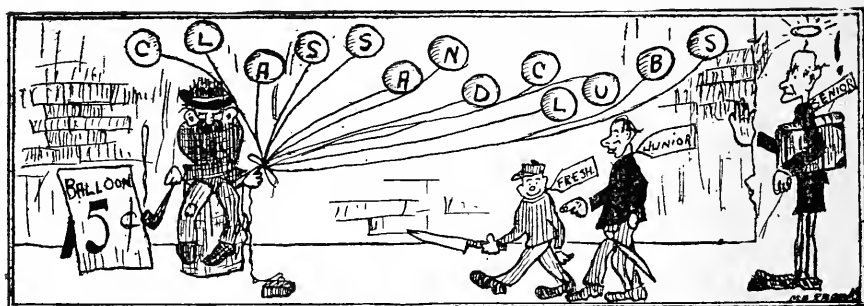
PENNINGTON

FARM SCHOOL

B R H SH SB						B R H SH SB					
Rosenthal, ss	...3	0	3	0	1	Samuels, 1b	....2	1	0	0	1
Shephard, c	...4	0	0	0	0	Snyder, cf	....4	0	0	0	0
Hough, p	.....4	1	1	0	0	Silverman, lf	...4	0	0	0	0
Winner, 1b	....4	2	2	0	0	Zinn, p	.....3	1	1	0	1
Voss, lf	.....4	0	2	0	1	Rothstein, rf	...3	0	0	0	0
Front, rf	.....3	0	1	0	0	Greenwald, 3b	..2	1	0	1	0
Hodjison, 3b	..4	1	0	0	1	Leedes, ss	....4	0	1	0	0
O'Toole, cf	....3	0	1	0	1	Krivosas, 2b	...3	0	0	0	0
Lincoln, 2b	....4	1	0	1	1	Stone, c	.....2	0	1	0	0
						Apple, rf	.....1	0	0	0	0

The Farm School nine more than met their match when they were defeated on their home grounds by the strong Allentown Prep. team. Score 17-4.

The game was played April 24, two days after the Doylestown game. Our star twirler "Hunk" Zinn started the game, but had to be relieved by "Snitz" Snyder after the second inning, as it was too early in the season for his arm to stand the strain of pitching every two days. Southpaw Snyder showed promising form, after he started where Zinn left off.



HARRY STATMAN, EDITOR.

CLASS OF 1921

With practically half of their last year over, the Seniors are buckling down, endeavoring to make the utmost of the remaining few months. They seem to be capably managing the various department and phases of work. Classes kept them busy until the Summer term, but Fall will find them studying hard once again. Under the management of the Seniors, the various school organizations are prospering. This is especially noticeable in the A. A. and "Gleaner." Inside the Senior Class itself preparations are going on already for graduation. The class rings and pins will have arrived by the time of publication.

It is the sincere aim of the Class of '21 to do its utmost as a duty to its Alma Mater in the way they see best fit and hope to inspire the same purpose in the underclasses.

Grads! The Class of '21 welcomes you to N. F. S. and hope to be soon able to join you in your work of dedicating a social building to our beloved school. Welcome!

H. M. C., '21.

CLASS OF '22

Spring found us ready to meet and carry out all tasks. Owing to the resignation of Finger and Frishkopf, new elections were held. Gelles was elected President and Rabinowitz, Vice-President.

We are well represented on the Varsity, by Leedes, Krivonas, Schulster, Snyder and Gelles.

Our slogan is: School first, class second and self last.

A. F. '22.

CLASS OF '23

Classes are over; and we the class of '23, twenty-nine strong, united as a band, and organized as a class, are fearlessly looking toward the long harvest season that is nearing daily. "For as ye sow, so shall ye reap."

The officers of our class are: President, M. Paris; Vice President, D. Rothstein; Secretary, A. Schorr; Treasurer, L. Bennett.

A. Bein was unanimously elected base ball captain, and Mr. Greenwald of the Senior class gladly accepted the position of Coach for our team.

Thru combined efforts our team is well shaped, and we foresee the victory of the inter-class game. Our class is represented on the "Varsity" by Bein and Bennett, and we expect a few more to be added soon.

Our representatives to the Student Council are L. I. Fox and D. Trupin, both able men for their positions.

It is our aim to help make a better, bigger, and more prosperous Farm School. ARTHUR SCHORR, '23.

 ZIONIST SOCIETY

Unlike all other societies on our campus the Zionist society is the only organization which has for its purpose—to promote interest of a race, namely the Jews. The society is one, rather of a serious aspect for serious minded students who love to talk of Jewish events. At the meetings Jewish folk songs are sung and discussions of the deeper problems of the Jewish race, are held.

For the Jewish student at N. F. S. there is no better organization to take active part in, and yet it is surprising to note that of so large a student body so few show interest. The officers of the society would like to see more enthusiasm shown.

A celebrative meeting was held on May 9, in commemoration of the returning of Palestine to the Jews, under the British mandatory. A few families from the neighboring communities were present and with a large number of students the evening was spent in the most pleasant manner.

The Zionist society has just completed a drive for the Palestine Restoration Fund fifty-one dollars and twenty-five cents was collected.

The members of the society extend their heartiest welcome to the summer course students and when they come every thing will be done to make things pleasant for them. HIRSCH TOUFF, Secretary.

COUNCIL

Well, after the affair on May 29, how would a little lawn party suit you? Of course we're not rich enough to have dances every month but we'll have them often enough. We'll make things pleasant enough, but it must be understood to make things pleasant not only means to rally but also to pay strict obedience to the rules laid down by the Council.

All working committees in the past month have given good reports showing faithful cooperation between student body and Council. The grounds have been kept beautiful and the conduct of the students in general has improved.

HIRSCH TOUFF, Secretary.

EXCHANGES

Since our last issue of the Gleaner we received the following exchanges.

"The Oracle" Bangor High School, Bangor, Me., which contains a new set of mottoes at the head of its departments. These mottoes, like those in the other issues of "the Oracle," are original and pointed.

The Easter and May issues of the "Perkiomenite" bring with them some very welcome items. In the Easter number, under Exchanges on Page 208, "Perki," makes a few comments about the Gleaner. They mention our Student Council Constitution, of which we are justly proud. The pictures of the Interscholastic Meet in the May issue of the Perkomenite show some fine athletic feats.

We receive weekly the "Mt. Airy World." Every issue of this paper contains some new and interesting reading matter. We also received an annual report from the Penn Inst for the Deaf and Dumb, which is in the library. This annual report gives us a good idea of what is being done to lessen, as far as possible, the disadvantage of this class of children, as well as to give them a proper start in life by teaching them manual training and other useful occupations.

The "Blue Bird," from the Julia Richman High School, N. Y. C., is a paper well worth reading. The stories and other material in this paper are neatly and snapily written.

Another good magazine from N. Y. is the "Piper" from the Morris High School. It does credit to the school and the staff which is able to supply such an abundance

of good material for a weekly paper. The jokes in particular are original and amusing.

The March issue of "Onas," of the William Penn High School is thoroly typical of what a girls' high school paper should be. It contains a good deal of excellent material. It gives a very fitting welcome to the freshmen in the various pieces referring to the new pupils who have joined their school. "Onas" is an interesting paper and shows what the staff of a girls high school can do in journalistic lines.

In the "Tuskegee Student" of March 6, there are some instructive articles on race relations. One of them, by Dr. Moton of the Tuskegee Institute, speaks hopefully of the end of lynching in this country. To those who have at any time attended services among colored people, the poem "When de Colo'ed Preachah Lucidates His Tex," on page 7, will prove highly interesting as well as amusing.

The cover design of the March issue of the "Blue and Gray," of the Friends' Central School tells a story in itself. What could be more suggestive a baseball diamond, or what more aluring to the tennis fiend than a tennis racket.

Among their editorials there is one entitled "Brace," which ably drives home Mr. Escoll's teachings in Hygiene. I'm wondering whether the poem by Miss Bochmer "I'm Waiting" is not also expressive of some of our longings for the coming of summer. The authorless looks to the pleasant times of summer. We look forward to haying, thrashing, good crops, and also good times on our home made lake. Not so much difference after all, is there. Read the poem and see for yourself.

The March issue of the "Archive," coming from the Northeast High School, is a good wind from the Northeast. It is entitled "Who'sisWho" number and is therefore of especial interest to us since we also started a "Who's Who" column in our Gleaner. It seems that no expense or effort was spared to perfect this department. It gives eight cuts of men who have been found deserving enough to attain a place in the column of "Who's Who," each of them well written up. The fifty odd pages of reading matter are also good. We await the next issue of the Archive.

The "Torch," Doylestown High School.

MICHAEL FRISHKOPF—ED.

LAUGHOSOPHY.

La-Fa-So-Fe

(Try this on your piano.)

ARCHIE TOFFLER, EDITOR.

"Cheerfulness is what greases the axles of the world, some people go thru life creaking."

Snyder: I can't see the board plainly, Mr. Escoll, did you use an i or an e.

Mr. Escoll: Use your eye.

Overheard in the P. O.

Mannes: This is my fifth year here.

Mr. C.: You're sort of a land mark around this place.

Miss H.: And you're a regular mounment around here.

First Horse: I like my oats ala cart or table de oat.

Second Horse: I like my hay a la mowed.

Herman in class: I can understand how they found all these prehistoric animals, but I can't see how they managed to find out their names?

Goldenbaum: Hey "Frenchy" go get me a monkey wrench.

Frenchy: Ah, you play zee yankee treek on me, zere is no monkey ranch in zis countree.

Spike: "Hey Jake that's a nice tie you have on, I'll bet I know where you got it."

Jake: Where?

Spike: Around your neck.

Kiesling: I'm going to buy some candy, I have five whole cents.

Toffler: When you spend them I suppose you'll be cents less (senseless).

Daniels says that all his horses are in good condition except Prince and Duke.

Regelson: I've lived on vegetables for five years.

Berlack: That's nothing, I've lived on earth for sixteen years.

Zelanko: Which part of your face is cheapest?

Louie: I dunno.

Zelauko: Your nose, it is two for a cent (scent).

Lives there a man with soul so dead

That he to himself hath never said,

As he stubbed his toe against his bed,

— — ? X ! X ? ! ! X ? ! — — ?'

EX.

Langer: Mr. Young should name his big sow Ink.

Wiess: Why is that?

Langer: Because she is always running out of the
pen. EX.

Morris: If a grocer sold sweet potatoes at 60c a
peck, what would his last name be?

Krivosnas: I give up.

Morris: Jenkins.

Krivosnas: Why is that?

Morris: Because that was his father's last name.

Mr. Cassidy: Those fellows who played base ball, I
took into consideration and raised their mark somewhat.

Savage: Well I was sick, how about mine?

Mr. C.: Yes, I gave you a sickly mark.

Schorr: A good way to remember N. P. K. is nine
pigeons killed.

Mr. Cassidy: I know and you'll be the tenth.

Chromometric Circumlocution

The city man was comparing his timepiece with
the clock on the wall of Zeke Sidebotham's cigar store.
"Why that clock's crazy," he exclaimed.

"That there chronometers' right on the ball, strang-
er. Only it's a bit hard to read," Zeke explained: "It's
like this: When the hour hand says ten and the minute
hand says four and the clock strikes nine, I know that
it's exactly fourteen minutes after eight."

C'TY GENT'N.



ALUMNI NOTES.

MICHAEL FRISHKOPF, EDITOR

'08. Victor Anderson, who is cultivating his own farm at Sanatoga, Pa., is planning to grow an extra heavy amount of vegetables, if he can get the help. He has tried in desperation school boys from the city but writes that he can not afford to board them for the work they do.

'17. Sol. Adler, is herdsman of the Centre Farms, South River, Md.

'20. Nathan Bromberg is poultryman at the Ambler School of Horticulture, Ambler, Pa.

'20. Julius Brodie is at the University of Illinois, 604 E. University avenue, Champaign, Ill.

'16. B. Druckerman will be one of the graduates of the Ohio State College this year.

'14. Sylvan Einstein has been contributing several articles on poultry to the January numbers of the Pennsylvania Farmer.

'18. H. B. Fishman is assistant on the Mainstead Farm, Perkasio, Pa.

'18. Morris Halpern writes: "I hold the position as herdsman on the Beaver Valley Farm, Cedar Falls, Iowa, taking full charge of 75 head of pure bred Holstein Friesian Cattle."

'17. Isaac Shapiro has accepted the position as assistant at the National Farm School.

'18. J. Miller has rented a farm at Marydale, Md. He has no doubt that his new venture of his will prove successful. Neither have we.

'19. J. Mannes resigned his position as assistant at the National Farm School to accept the superintendency of the Dimon Farms in New Jersey.

'18. Morris Mayer, assistant of the Narrows Nursery, Brooklyn, N. Y., was a welcome visitor at the campus recently. He contemplates purchasing several thousand dollars worth of nursery stock from the school as soon as the freight situation eases.

'18. Samuel Miller is assisting his class mate Bernhard Goldsmith who has recently purchased a farm in Warrington, Pa. Miller says that Goldsmith's vim and enthusiasm have whetted his appetite to do likewise.

'20. Mills and Swineherd are synonymous on the Greenove Farms, Pennlyn, Pa. We know personally that Mills likes his position.

'20. Smith is vacationeering (?) on Mr. Shamburg's farm to enable him to enter college in the best of condition.

'20. Braunstein is daily broadening his experience as manager of the White Eagle Farms. He is reported as well up in the farm work.

'20 Goldston is teaching agriculture at St. Mary's, West Virginia. It's a far cry from salesman to teacher, but leave it to Goldston, he'll make good.

'20. Forman assumes the responsibility of herdsman on the Wynfromere Farms, in Conn. A thorough knowledge of A. R. O. work enables him to progress in his work.

A. R. O. WORK IN FARM SCHOOL

(Continued from page 13)

547.1 lbs. milk in 7 days. 24.163 lbs. butter in 7 days.

This record was made with only a five weeks preparation. There is no doubt that this is a 30 lb. cow, a records which she will make when she freshens next Spring.

We have a bull-calf from this cow and two others from our highest producing cows, for sale at present.

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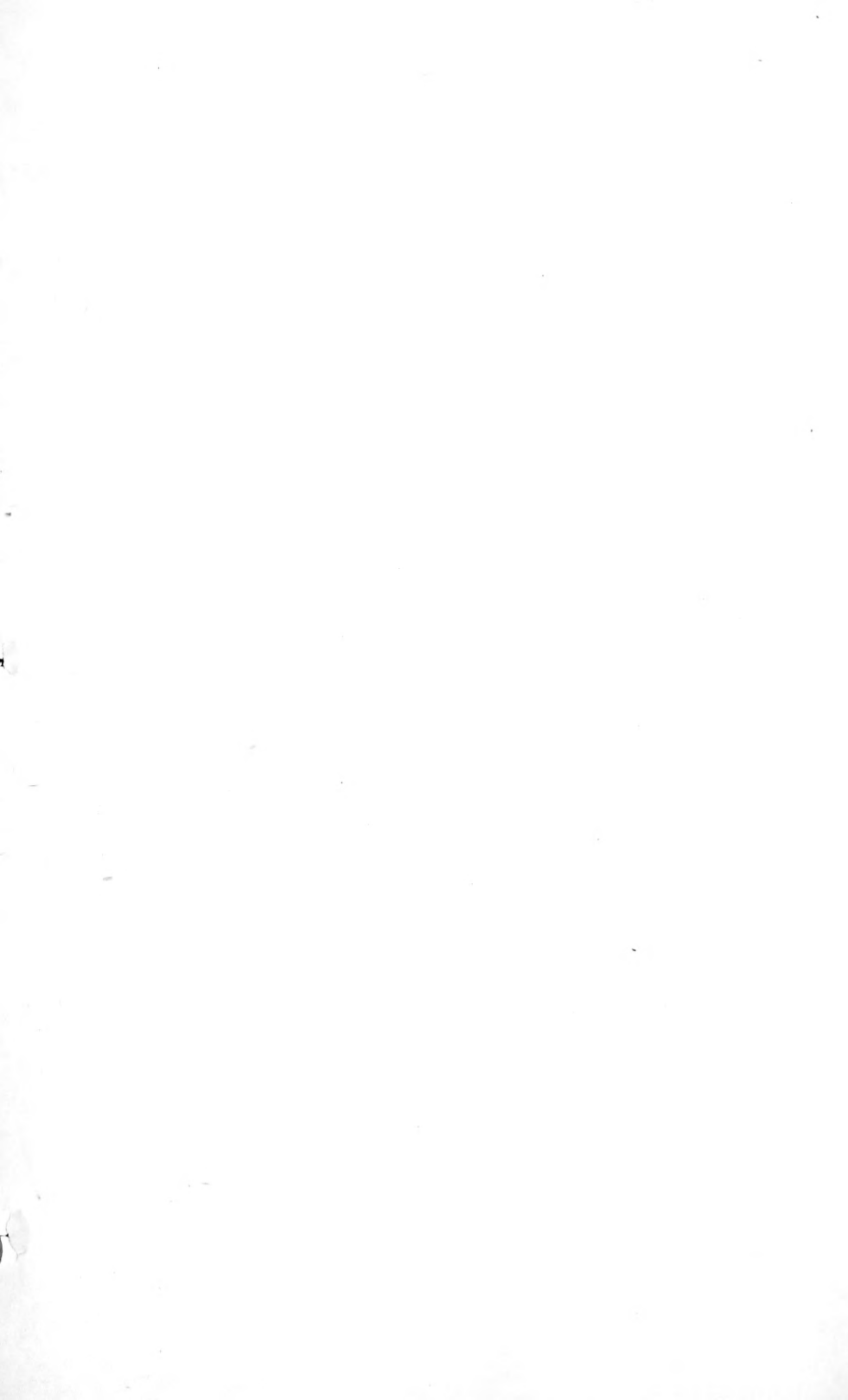
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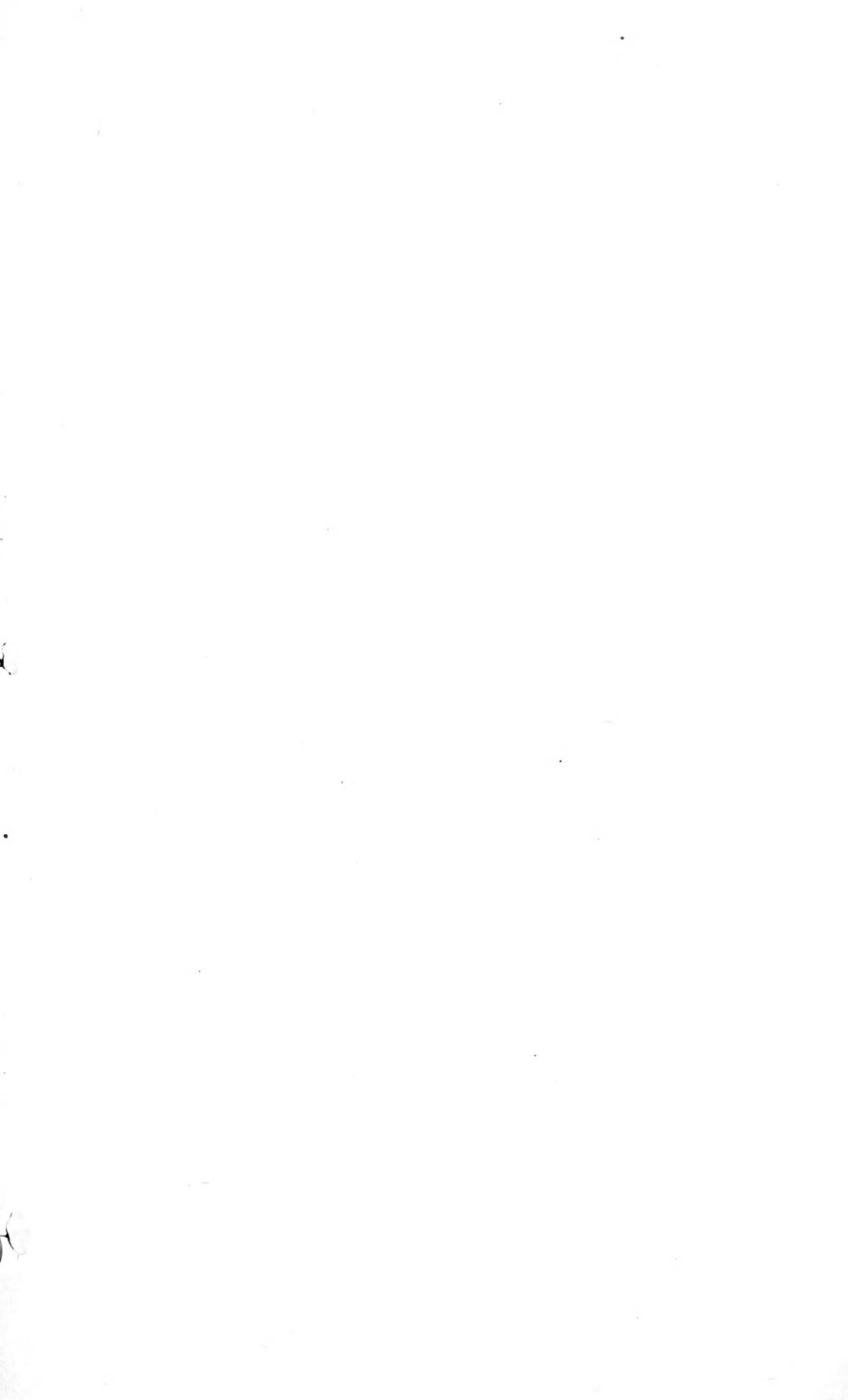
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